

1. Record Nr.	UNINA9910793275903321
Titolo	Information and Communications for Development 2018 : : Data-Driven Development
Pubbl/distr/stampa	Washington, D.C. : , : The World Bank, , 2019
ISBN	1-4648-1355-8
Descrizione fisica	1 online resource (174 pages)
Collana	Information and Communications for Development.
Disciplina	303.4833091724
Soggetti	Information technology - Economic aspects - Developing countries Communication - Developing countries Information services - Developing countries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Data: the fuel of the future -- Supply: data connectivity and capacity -- Better data for doing good: responsible use of big data and artificial intelligence -- People and data -- Firms and data -- Policies for the data economy -- Data for development indicators.
Sommario/riassunto	The Information and Communications for Development series looks in depth at how information and communications technologies are affecting economic growth in developing countries. This new report, the fourth in the series, examines the topic of data-driven development, or how better information makes for better policies. The objective is to assist developing-country firms and governments in unlocking the value of the data they hold for better service delivery and decision making and to empower individuals to take more control of their personal data. We are undoubtedly experiencing a data revolution in which our ability to generate, process, and utilize information has been magnified many times over by the machines that we increasingly rely upon. This report is about how the data revolution is changing the behavior of governments, individuals, and firms and how these changes affect the nature of development: economic, social, and cultural. How can governments extract value from data to improve service delivery in the same way that private companies have learned to do for profit? Is it feasible for individuals to take ownership of their own data and to use

it to improve their livelihoods and quality of life? Can developing-country firms compete with the internet majors on their own turf and be even more innovative in their use of data to serve local customers better? Though the report is aimed primarily at government policy makers, it also has great relevance for individuals concerned about how their personal data is used and how the data revolution might affect their future job prospects. For private sector firms, particularly those in developing countries, the report suggests how they might expand their markets and improve their competitive edge. For development professionals, the report provides guidance on how they might use data more creatively to tackle long-standing global challenges, such as eliminating extreme poverty, promoting shared prosperity, or mitigating the effects of climate change. The report's chapters explore different themes associated with the supply of data, the technology underlying it, and the demand for it. An overview chapter focuses on government use of data and presentation of definitions. Part I of the report then looks at the "supply side" of the data sector, with chapters on data connectivity and capacity (where data comes from, how it is stored, and where it goes) and data technology (specifically big data analytics and artificial intelligence) and how this is contributing to development. Part II looks at the sector's "demand side," with a chapter on people's use of data and another that examines how firms use digital platforms in the data economy and how that contributes to competitiveness. Part III brings together the policy implications for developing-country stakeholders, with a chapter considering government policies for data, including data protection and privacy. A closing Data Notes appendix looks at statistical indicators associated with the use of data and presents the 2018 update of the Digital Adoption Index (DAI), a composite indicator introduced in the 2016 World Development Report: Digital Dividends.
